EHRT
Environmental Health Research and Testing, Inc.
1233 Omni Drive Cincinnati, Ohio 45243 (513) 752-2950 FAX (513) 752-2263

November 5, 1990

ROY F. WESTON, INC.
ATTN: Ms. Marian Murphy
13 Haddonfield Road - Suite 306
Cherry Hill, New Jersey 08002

Dear Ms. Murphy,

Please find enclosed the results of analysis for the 28 samples received on November 13, 1990.

If you have any further questions, please feel free to contact me at (513) 752-2950.

Sincerely,

Mona Risk

Mona Risk, Ph.D.
Director of Chemistry

MR:jw

Enclosures

NARRATIVE

The samples were analyzed on a weight base (mg/kg) 3g of liquid sample (1g of solid) was digested according to Method 3050 for about 4 hours and diluted to 100 mL.

The ICP, AAS (G.Furnace), and Cold Vapor calibration checks and calibration blanks were within the CLP limits. An interference check standard was run on the ICP.

On Graphite Furnace two injections were analyzed per sample and on ICP three exposures were taken per sample.

A matrix spike and matrix spike duplicate were analyzed on sample SO7 and DO9.

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ NO.

PROJECT NAME: WINDSOR MANOR SITE

SAMPLERS: (Signature) [illegible], [illegible], Mary Greenwood

STA NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO OF CONTAINERS	16 OZ. JAR	VOA					REMARKS: OVA READINGS RECORDED UPON OPENING DRUM.
D01	11/7	1330		X	DRUM # 12	1	X	X					70 PPM
D02	11/7	1345		X	DRUM # 04	1	X	X					4 PPM
D03	11/7	1400		X	DRUM # 23	1	X	X					30 PPM
D04	11/7	1415		X	DRUM # 44	1	X	X					3 PPM
D05	11/7	1430		X	DRUM # 52	1	X	X					70 PPM
D06	11/7	1445		X	DRUM # 67	1	X	X					300 PPM
D07	11/7	1500		X	DRUM # 77	1	X	X					5 PPM
D08	11/7	1515		X	DRUM # 85	1	X	X					400 PPM
D09	11/7	1530		X	DRUM # 97	1	X	X					*1000 PPM Priority pollutant
D10	11/7	1545		X	DRUM # 101	1	X	X					30 PPM (Acetone, PPM, BNA)
D11	11/7	1600		X	DRUM # 16	1	X	X					600 PPM
D12	11/7	1615		X	DRUM # 13	1	X	X					1000 PPM priority pollutant
D13	11/7	1630		X	DRUM # 179	1	X	X					200 PPM
D14	11/7	1645		X	DRUM # 165	1	X	X					900 PPM.

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mary Greenwood	11/10/90 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		Becky Bordo	11-13-90 10:30		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

AR100003

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 3
Curtis Bldg., 6th & Walnut Sts.
Philadelphia, Pennsylvania 19106

CHAIN OF CUSTODY RECORD

PROJ NO:

PROJECT NAME: WINDSORE MANOR SITE

SAMPLERS (Signature): [illegible] / Mary Greenwood

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	16 oz GLASS JAR	40 ml GLASS VIAL	32 oz AMBER BOTTLE	1 LITRE POLY BOTTLE			REMARKS HNU READINGS IN SAMPLE CONTAINER.
S01	11/7	1335		X	SOIL NEAR DRUM 26	1	X						16 PPM - SURFACE/SUBSTANCE SCRAPE
S02	11/7	1405		X	SOIL NEAR DRUM 214	1	X						22 PPM - SURFACE/SUBSTANCE SCRAPE
S03	11/7	1435		X	SOIL NEAR DRUM 42	1	X						40 PPM - SURFACE/SUBSTANCE SCRAPE
S04	11/7	1505		X	SOIL NEAR DRUM 217	1	X						30 PPM - SURFACE/SUBSTANCE SCRAPE
S05	11/8	0700		X	SOIL NEAR DRUM 75	1	X						TCLP TL + VOA
S06	11/8	0915		X	DRUM GRADIENT	1	X						"
S07	11/8	0930		X	UPGRADIENT BACKGROUND	1	X						"
D15	11/8	1000		X	DRUM # 185	1	X						30 PPM VOA
D16	11/8	1015		X	DRUM # 187	1	X						15 PPM "
D17	11/8	1030		X	DRUM # 191	1	X						15 PPM "
D18	11/8	1045		X	DRUM # 205	1	X						30 PPM "
D19	11/8	1100		X	DRUM # 221	1	X						5 PPM "
D20	11/8	1115		X	DRUM # 217	1	X						25 PPM "
W01	11/8	0900		X	THOMSON WELL (water)	5		3	1	1			METALS PRESERVED @ 2 PH. VOA

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Mary Greenwood	11/10/90 1400				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		Becky Roth	11-13-90 1030		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

R100004

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Water Blank	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride	<	1.00
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100005

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	107.00%
Toluene-d8	-	99.00%
Bromofluorobenzene	-	106.00%

AR100006

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-19-90
SAMPLE TYPE:	Water Blank	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride	<	1.00
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100007

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	105.00%
Toluene-d8	-	101.00%
Bromofluorobenzene	-	92.00%

AR100008

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Water Blank	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride		34.00
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100009

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	109.00%
Toluene-d8	-	114.00%
Bromofluorobenzene	-	92.00%

AR100010

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Blank	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride		17.89
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100011

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	109.00%
Toluene-d8	-	114.00%
Bromofluorobenzene	-	92.00%

AR100012

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-22-90
SAMPLE TYPE:	Water Blank	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	148. Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride	<	1.00
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100013

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	103.00%
Toluene-d8	-	110.00%
Bromofluorobenzene	-	97.00%

AR100014

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (SOIL NEAR DRUM 26)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S01	EHRT SAMPLE NO.:	29488
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone	<	5.00
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone	<	10.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

AR100015

CUSTOMER SAMPLE NO.: S01 EHRT SAMPLE NO.: 29488

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene		50.30
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	112.00%
Toluene-d8	-	104.00%
Bromofluorobenzene	-	86.00%

AR100016

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Health Research & Testing, Inc.

Customer Name: ROY F. WESTON, INC. - MS. MARIAN MURPHY

Project No.: 12325 Method No.: EPA 8240

Customer Sample No.: S01 EHRT No.: 29488

COMPOUND	SPIKE ADDED (ng)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS% REC #	QC LIMITS REC.
1,1-Dichloroethene	250	0.0	43.07	86	59-172
Trichloroethene	250	0.0	49.25	99	62-137
Benzene	250	0.0	66.62	133	66-142
Toluene	250	10.06	74.22	128	59-139
Chlorobenzene	250	0.0	40.73	81	60-133

COMPOUND	MSD CONC. (ug/L)	MSD % REC #	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	37.73	75	86	14.0	22	59-172
Trichloroethene	48.03	96	99	3.1	24	62-137
Benzene	58.68	117	133	12.8	21	66-142
Toluene	69.73	119	128	7.3	21	59-139
Chlorobenzene	39.41	79	81	2.5	21	60-133

Column to be used to flag recovery and RPD values with an asterick

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

AR100017

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (SOIL NEAR DRUM 214)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S02	EHRT SAMPLE NO.:	29489
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone	<	5.00
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone	<	10.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

AR100018

CUSTOMER SAMPLE NO.: S02 EHRT SAMPLE NO.: 29489

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene	<	2.50
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	113.00%
Toluene-d8	-	106.00%
Bromofluorobenzene	-	80.00%

AR100019

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (SOIL NEAR DRUM 42)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S03	EHRT SAMPLE NO.:	29490
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS	RESULT ug/kg	
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone		7178.50
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane	<	25.00
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane	<	25.00
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100020

CUSTOMER SAMPLE NO.: S03 EHRT SAMPLE NO.: 29490

23.	Benzene		133.50
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone	<	100.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		5802.00
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene	<	25.00
33.	Styrene	<	25.00
34.	Xylene		1643.50
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	112.00%
Toluene-d8	-	109.00%
Bromofluorobenzene	-	81.00%

COMPUTER SEARCH

1-Butanol - Approx. 850 ug/kg

BR100021

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (SOIL NEAR DRUM 217)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S04	EHRT SAMPLE NO.:	29491
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS	RESULT ug/kg
1.	Chloromethane	< 25.00
2.	Bromomethane	< 25.00
3.	Vinyl Chloride	< 25.00
4.	Chloroethane	< 25.00
5.	Methylene Chloride	< 50.00
6.	Acetone	20709.50
7.	Carbon Disulfide	< 25.00
8.	1,1-Dichloroethene	< 25.00
9.	1,1-Dichloroethane	< 25.00
10.	1,2-Dichloroethene	< 25.00
11.	Chloroform	< 25.00
12.	1,2-Dichloroethane	< 25.00
13.	2-Butanone	5674.00
14.	1,1,1,-Trichloroethane	< 25.00
15.	Carbon Tetrachloride	< 25.00
16.	Vinyl Acetate	< 50.00
17.	Bromodichloromethane	< 25.00
18.	1,2-Dichloropropane	< 25.00
19.	cis-1,3-Dichloropropene	< 25.00
20.	Trichloroethene	< 25.00
21.	Dibromochloromethane	< 25.00
22.	1,1,2-Trichloroethane	< 25.00

BR100022

CUSTOMER SAMPLE NO.: S04 EHRT SAMPLE NO.: 29491

23.	Benzene	<	25.00
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone	<	100.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene	<	25.00
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene	<	25.00
33.	Styrene	<	25.00
34.	Xylene	<	25.00
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	.	114.00%
Toluene-d8	.	96.00%
Bromofluorobenzene	.	82.00%

AR100023

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (SOIL NEAR DRUM 75)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-16-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S05	EHRT SAMPLE NO.:	29492
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone		13361.50
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane	<	25.00
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane	<	25.00
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100024

CUSTOMER SAMPLE NO.: S05 EHRT SAMPLE NO.: 29492

23.	Benzene		127.00
24.	Trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone	<	100.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		9965.00
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene	<	25.00
33.	Styrene	<	25.00
34.	Xylene	<	25.00
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	117.00%
Toluene-d8	-	117.00%
Bromofluorobenzene	-	84.00%

AR100025

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DOWN GRADIENT)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-17-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S06	EHRT SAMPLE NO.:	29493
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone		6384.20
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone	<	10.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

AR100026

CUSTOMER SAMPLE NO.: S06 EHRT SAMPLE NO.: 29493

23.	Benzene		9.40
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene	<	2.50
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	119.00%
Toluene-d8	-	119.00%
Bromofluorobenzene	-	80.00%

AR100027

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (UPGRADIENT BACKGROUND)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-17-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	S07	EHRT SAMPLE NO.:	29494
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone	<	5.00
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone	<	10.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

AR100028

CUSTOMER SAMPLE NO.: S07 EHRT SAMPLE NO.: 29494

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene	<	2.50
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	118.00%
Toluene-d8	-	89.00%
Bromofluorobenzene	-	92.00%

AR100029

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #165)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	25.00
CUSTOMER SAMPLE NO.:	D15	EHRT SAMPLE NO.:	29495
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	62.50
2.	Bromomethane	<	62.50
3.	Vinyl Chloride	<	62.50
4.	Chloroethane	<	62.50
5.	Methylene Chloride	<	125.00
6.	Acetone	<	125.00
7.	Carbon Disulfide	<	62.50
8.	1,1-Dichloroethene	<	62.50
9.	1,1-Dichloroethane	<	62.50
10.	1,2-Dichloroethene	<	62.50
11.	Chloroform	<	62.50
12.	1,2-Dichloroethane	<	62.50
13.	2-Butanone	<	250.00
14.	1,1,1,-Trichloroethane	<	62.50
15.	Carbon Tetrachloride	<	62.50
16.	Vinyl Acetate	<	125.00
17.	Bromodichloromethane	<	62.50
18.	1,2-Dichloropropane	<	62.50
19.	cis-1,3-Dichloropropene	<	62.50
20.	Trichloroethene	<	62.50
21.	Dibromochloromethane	<	62.50
22.	1,1,2-Trichloroethane	<	62.50

AR100030

CUSTOMER SAMPLE NO.: D15 EHRT SAMPLE NO.: 29495

23.	Benzene	<	62.50
24.	trans-1,3-Dichloropropene	<	62.50
25.	Bromoform	<	62.50
26.	4-Methyl-2-Pentanone	<	250.00
27.	2-Hexanone	<	125.00
28.	Tetrachloroethene	<	62.50
29.	1,1,2,2-Tetrachloroethane	<	62.50
30.	Toluene		10430.00
31.	Chlorobenzene	<	62.50
32.	Ethylbenzene		1770.00
33.	Styrene	<	62.50
34.	Xylene		8973.75
35.	Trichlorofluoromethane	<	62.50
36.	Trans-1,2-Dichloroethylene	<	62.50
37.	Chlorodibromomethane	<	62.50
38.	2-Chloroethylvinylether	<	62.50
39.	Acrylonitrile	<	250.00
40.	Ethanol	<	50000.00
41.	1,2,3-Trichloropropane	<	62.50
42.	Dibromomethane	<	62.50
43.	1,3-Dichlorobenzene	<	62.50
44.	Acrolein	<	250.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	91.00%
Toluene-d8	-	90.00%
Bromofluorobenzene	-	112.00%

COMPUTER SEARCH

4-methyl-1-Pentene - Approx. 750 ug/kg
methyl-Cyclopentane - Approx. 2100 ug/kg
3-methyl-pentane - Approx. 750 ug/kg
Hexane - Approx. 1100 ug/kg
2,2-dimethyl-Aziridine - Approx. 1000 ug/kg
3-methyl-Hexane - Approx. 3800 ug/kg
2-methyl-Hexane - Approx. 1900 ug/kg

AR100031

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #187)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	25.00
CUSTOMER SAMPLE NO.:	D16	EHRT SAMPLE NO.:	29496
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	62.50
2.	Bromomethane	<	62.50
3.	Vinyl Chloride	<	62.50
4.	Chloroethane	<	62.50
5.	Methylene Chloride	<	125.00
6.	Acetone	<	125.00
7.	Carbon Disulfide	<	62.50
8.	1,1-Dichloroethene	<	62.50
9.	1,1-Dichloroethane	<	62.50
10.	1,2-Dichloroethene	<	62.50
11.	Chloroform	<	62.50
12.	1,2-Dichloroethane	<	62.50
13.	2-Butanone	<	250.00
14.	1,1,1,-Trichloroethane	<	62.50
15.	Carbon Tetrachloride	<	62.50
16.	Vinyl Acetate	<	125.00
17.	Bromodichloromethane	<	62.50
18.	1,2-Dichloropropane	<	62.50
19.	cis-1,3-Dichloropropene	<	62.50
20.	Trichloroethene	<	62.50
21.	Dibromochloromethane	<	62.50
22.	1,1,2-Trichloroethane	<	62.50

AR100032

CUSTOMER SAMPLE NO.: D16 EHRT SAMPLE NO.: 29496

23.	Benzene	<	62.50
24.	trans-1,3-Dichloropropene	<	62.50
25.	Bromoform	<	62.50
26.	4-Methyl-2-Pentanone	<	250.00
27.	2-Hexanone	<	125.00
28.	Tetrachloroethene	<	62.50
29.	1,1,2,2-Tetrachloroethane	<	62.50
30.	Toluene		13010.00
31.	Chlorobenzene	<	62.50
32.	Ethylbenzene		1770.00
33.	Styrene	<	62.50
34.	Xylene		10112.50
35.	Trichlorofluoromethane	<	62.50
36.	Trans-1,2-Dichloroethylene	<	62.50
37.	Chlorodibromomethane	<	62.50
38.	2-Chloroethylvinylether	<	62.50
39.	Acrylonitrile	<	250.00
40.	Ethanol	<	50000.00
41.	1,2,3-Trichloropropane	<	62.50
42.	Dibromomethane	<	62.50
43.	1,3-Dichlorobenzene	<	62.50
44.	Acrolein	<	250.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	96.00%
Toluene-d8	-	91.00%
Bromofluorobenzene	-	113.00%

AR100033

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #191)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-17-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	100.00
CUSTOMER SAMPLE NO.:	D17	EHRT SAMPLE NO.:	29497
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	250.00
2.	Bromomethane	<	250.00
3.	Vinyl Chloride	<	250.00
4.	Chloroethane	<	250.00
5.	Methylene Chloride	<	500.00
6.	Acetone	<	500.00
7.	Carbon Disulfide	<	250.00
8.	1,1-Dichloroethene	<	250.00
9.	1,1-Dichloroethane	<	250.00
10.	1,2-Dichloroethene	<	250.00
11.	Chloroform		640.00
12.	1,2-Dichloroethane	<	250.00
13.	2-Butanone	<	1000.00
14.	1,1,1,-Trichloroethane	<	250.00
15.	Carbon Tetrachloride	<	250.00
16.	Vinyl Acetate	<	500.00
17.	Bromodichloromethane	<	250.00
18.	1,2-Dichloropropane	<	250.00
19.	cis-1,3-Dichloropropene	<	250.00
20.	Trichloroethene	<	250.00
21.	Dibromochloromethane	<	250.00
22.	1,1,2-Trichloroethane	<	250.00

AR100034

CUSTOMER SAMPLE NO.: D17 EHRT SAMPLE NO.: 29497

23.	Benzene	<	250.00
24.	trans-1,3-Dichloropropene	<	250.00
25.	Bromoform	<	250.00
26.	4-Methyl-2-Pentanone	<	1000.00
27.	2-Hexanone	<	500.00
28.	Tetrachloroethene	<	250.00
29.	1,1,2,2-Tetrachloroethane	<	250.00
30.	Toluene		16685.00
31.	Chlorobenzene	<	250.00
32.	Ethylbenzene	<	250.00
33.	Styrene	<	250.00
34.	Xylene	<	250.00
35.	Trichlorofluoromethane	<	250.00
36.	Trans-1,2-Dichloroethylene	<	250.00
37.	Chlorodibromomethane	<	250.00
38.	2-Chloroethylvinylether	<	250.00
39.	Acrylonitrile	<	1000.00
40.	Ethanol	<	200000.00
41.	1,2,3-Trichloropropane	<	250.00
42.	Dibromomethane	<	250.00
43.	1,3-Dichlorobenzene	<	250.00
44.	Acrolein	<	1000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	.	110.00%
Toluene-d8	.	88.00%
Bromofluorobenzene	.	112.00%

AR100035

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #205)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	250.00
CUSTOMER SAMPLE NO.:	D18	EHRT SAMPLE NO.:	29498
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	625.00
2.	Bromomethane	<	625.00
3.	Vinyl Chloride	<	625.00
4.	Chloroethane	<	625.00
5.	Methylene Chloride	<	1250.00
6.	Acetone	<	1250.00
7.	Carbon Disulfide	<	625.00
8.	1,1-Dichloroethene	<	625.00
9.	1,1-Dichloroethane	<	625.00
10.	1,2-Dichloroethene	<	625.00
11.	Chloroform	<	625.00
12.	1,2-Dichloroethane	<	625.00
13.	2-Butanone	<	2500.00
14.	1,1,1,-Trichloroethane	<	625.00
15.	Carbon Tetrachloride	<	625.00
16.	Vinyl Acetate	<	1250.00
17.	Bromodichloromethane	<	625.00
18.	1,2-Dichloropropane	<	625.00
19.	cis-1,3-Dichloropropene	<	625.00
20.	Trichloroethene	<	625.00
21.	Dibromochloromethane	<	625.00
22.	1,1,2-Trichloroethane	<	625.00

AR100036

CUSTOMER SAMPLE NO.: D18 EHRT SAMPLE NO.: 29498

23.	Benzene	<	625.00
24.	trans-1,3-Dichloropropene	<	625.00
25.	Bromoform	<	625.00
26.	4-Methyl-2-Pentanone	<	2500.00
27.	2-Hexanone	<	1250.00
28.	Tetrachloroethene	<	625.00
29.	1,1,2,2-Tetrachloroethane	<	625.00
30.	Toluene		462000.00 *
31.	Chlorobenzene	<	625.00
32.	Ethylbenzene	<	625.00
33.	Styrene	<	625.00
34.	Xylene		66125.00
35.	Trichlorofluoromethane	<	625.00
36.	Trans-1,2-Dichloroethylene	<	625.00
37.	Chlorodibromomethane	<	625.00
38.	2-Chloroethylvinylether	<	625.00
39.	Acrylonitrile	<	2500.00
40.	Ethanol	<	500000.00
41.	1,2,3-Trichloropropane	<	625.00
42.	Dibromomethane	<	625.00
43.	1,3-Dichlorobenzene	<	625.00
44.	Acrolein	<	2500.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	104.00%
Toluene-d8	-	89.00%
Bromofluorobenzene	-	101.00%

* The sample was diluted 1:1000 for this compound.

AR100037

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #221)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D19	EHRT SAMPLE NO.:	29499
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride	<	1.00
6.	Acetone		6720.47
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone		161.45
14.	1,1,1-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100038

CUSTOMER SAMPLE NO.: D19 EHRT SAMPLE NO.: 29499

23.	Benzene		3.39
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene		30.08
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene		4.90
33.	Styrene	<	0.50
34.	Xylene		9.82
35.	Trichlorofluoromethane	<	0.50
36.	Trans-1,2-Dichloroethylene	<	0.50
37.	Chlorodibromomethane	<	0.50
38.	2-Chloroethylvinylether	<	0.50
39.	Acrylonitrile	<	2.00
40.	Ethanol	<	400.00
41.	1,2,3-Trichloropropane	<	0.50
42.	Dibromomethane	<	0.50
43.	1,3-Dichlorobenzene	<	0.50
44.	Acrolein	<	2.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	97.00%
Toluene-d8	-	93.00%
Bromofluorobenzene	-	111.00%

AR100039

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Health Research & Testing, Inc.

Customer Name: ROY F. WESTON, INC. - MS. MARIAN MURPHY

Project No.: 12325 Method No.: EPA 8240

Customer Sample No.: D19 EHRT No.: 29499

COMPOUND	SPIKE ADDED (ng)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS% REC #	QC LIMITS REC.
1,1-Dichloroethene	250	0.0	49.54	99	61-145
Trichloroethene	250	0.0	55.90	112	71-120
Benzene	250	3.39	55.14	104	76-127
Toluene	250	30.08	76.43	93	76-125
Chlorobenzene	250	0.0	53.57	107	75-130

COMPOUND	MSD CONC. (ug/L)	MSD % REC #	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	43.47	87	99	12.9	14	61-145
Trichloroethene	57.15	114	112	1.8	14	71-120
Benzene	53.52	100	104	3.9	11	76-127
Toluene	75.08	90	93	3.3	13	76-125
Chlorobenzene	51.91	104	107	2.8	13	75-130

Column to be used to flag recovery and RPD values with an asterick

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

AR100040

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #217)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	0.05
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D20	EHRT SAMPLE NO.:	29500
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	50.00
2.	Bromomethane	<	50.00
3.	Vinyl Chloride	<	50.00
4.	Chloroethane	<	50.00
5.	Methylene Chloride	<	100.00
6.	Acetone	<	100.00
7.	Carbon Disulfide	<	50.00
8.	1,1-Dichloroethene	<	50.00
9.	1,1-Dichloroethane	<	50.00
10.	1,2-Dichloroethene	<	50.00
11.	Chloroform	<	50.00
12.	1,2-Dichloroethane	<	50.00
13.	2-Butanone	<	200.00
14.	1,1,1,-Trichloroethane	<	50.00
15.	Carbon Tetrachloride	<	50.00
16.	Vinyl Acetate	<	100.00
17.	Bromodichloromethane	<	50.00
18.	1,2-Dichloropropane	<	50.00
19.	cis-1,3-Dichloropropene	<	50.00
20.	Trichloroethene	<	50.00
21.	Dibromochloromethane	<	50.00
22.	1,1,2-Trichloroethane	<	50.00

AR100041

CUSTOMER SAMPLE NO.: D20 EHRT SAMPLE NO.: 29500

23.	Benzene	<	50.00
24.	trans-1,3-Dichloropropene	<	50.00
25.	Bromoform	<	50.00
26.	4-Methyl-2-Pentanone		27184.00
27.	2-Hexanone	<	100.00
28.	Tetrachloroethene	<	50.00
29.	1,1,2,2-Tetrachloroethane	<	50.00
30.	Toluene		2093.00
31.	Chlorobenzene	<	50.00
32.	Ethylbenzene	<	50.00
33.	Styrene		473.00
34.	Xylene		1985.00
35.	Trichlorofluoromethane	<	50.00
36.	Trans-1,2-Dichloroethylene	<	50.00
37.	Chlorodibromomethane	<	50.00
38.	2-Chloroethylvinylether	<	50.00
39.	Acrylonitrile	<	200.00
40.	Ethanol	<	40000.00
41.	1,2,3-Trichloropropane	<	50.00
42.	Dibromomethane	<	50.00
43.	1,3-Dichlorobenzene	<	50.00
44.	Acrolein	<	200.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	101.00%
Toluene-d8	-	98.00%
Bromofluorobenzene	-	114.00%

AR100042

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (THOMSON WELL)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	5.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	W01	EHRT SAMPLE NO.:	29501
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 624

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	0.50
2.	Bromomethane	<	0.50
3.	Vinyl Chloride	<	0.50
4.	Chloroethane	<	0.50
5.	Methylene Chloride	<	1.00
6.	Acetone	<	1.00
7.	Carbon Disulfide	<	0.50
8.	1,1-Dichloroethene	<	0.50
9.	1,1-Dichloroethane	<	0.50
10.	1,2-Dichloroethene	<	0.50
11.	Chloroform	<	0.50
12.	1,2-Dichloroethane	<	0.50
13.	2-Butanone	<	2.00
14.	1,1,1,-Trichloroethane	<	0.50
15.	Carbon Tetrachloride	<	0.50
16.	Vinyl Acetate	<	1.00
17.	Bromodichloromethane	<	0.50
18.	1,2-Dichloropropane	<	0.50
19.	cis-1,3-Dichloropropene	<	0.50
20.	Trichloroethene	<	0.50
21.	Dibromochloromethane	<	0.50
22.	1,1,2-Trichloroethane	<	0.50

AR100043

CUSTOMER SAMPLE NO.: W01 EHRT SAMPLE NO.: 29501

23.	Benzene	<	0.50
24.	trans-1,3-Dichloropropene	<	0.50
25.	Bromoform	<	0.50
26.	4-Methyl-2-Pentanone	<	2.00
27.	2-Hexanone	<	1.00
28.	Tetrachloroethene	<	0.50
29.	1,1,2,2-Tetrachloroethane	<	0.50
30.	Toluene	<	0.50
31.	Chlorobenzene	<	0.50
32.	Ethylbenzene	<	0.50
33.	Styrene	<	0.50
34.	Xylene	<	0.50

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	100.00%
Toluene-d8	-	92.00%
Bromofluorobenzene	-	90.00%

AR100044

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #12)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D01	EHRT SAMPLE NO.:	29502
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone		12688.00
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane	<	25.00
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane	<	25.00
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100045

CUSTOMER SAMPLE NO.: D01 EHRT SAMPLE NO.: 29502

23.	Benzene		595.00
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone		1709.50
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		4407.50
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene		4094.50
33.	Styrene	<	25.00
34.	Xylene		12622.50
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	101.00%
Toluene-d8	-	110.00%
Bromofluorobenzene	-	91.00%

COMPUTER SEARCH

1-Butanol - Approx. 350 ug/kg
2-Hexanol - Approx. 1000 ug/kg
4-amino-2(1H)-Pyrimidinone - Approx. 1950 ug/kg

AR100046

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #04)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D02	EHRT SAMPLE NO.:	29503
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS	RESULT ug/kg
1.	Chloromethane	< 25.00
2.	Bromomethane	< 25.00
3.	Vinyl Chloride	< 25.00
4.	Chloroethane	< 25.00
5.	Methylene Chloride	< 50.00
6.	Acetone	23062.50
7.	Carbon Disulfide	< 25.00
8.	1,1-Dichloroethene	< 25.00
9.	1,1-Dichloroethane	< 25.00
10.	1,2-Dichloroethene	< 25.00
11.	Chloroform	< 25.00
12.	1,2-Dichloroethane	< 25.00
13.	2-Butanone	< 100.00
14.	1,1,1,-Trichloroethane	< 25.00
15.	Carbon Tetrachloride	< 25.00
16.	Vinyl Acetate	< 50.00
17.	Bromodichloromethane	< 25.00
18.	1,2-Dichloropropane	< 25.00
19.	cis-1,3-Dichloropropene	< 25.00
20.	Trichloroethene	< 25.00
21.	Dibromochloromethane	< 25.00
22.	1,1,2-Trichloroethane	< 25.00

AR100047

CUSTOMER SAMPLE NO.: D02 EHRT SAMPLE NO.: 29503

23.	Benzene	<	25.00
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone	<	100.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		1652.50
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene	<	25.00
33.	Styrene	<	25.00
34.	Xylene		5401.50
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	101.00%
Toluene-d8	-	112.00%
Bromofluorobenzene	-	77.00%

COMPUTER SEARCH

2-propanol - Approx. 450 ug/kg
1-Butanol - Approx. 700 ug/kg
Hexanol - Approx. 550 ug/kg
Camphene - Approx. 900 ug/kg

AR100048

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #23)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D03	EHRT SAMPLE NO.:	29504
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone		18300.00 *
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone		2062.20
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

CUSTOMER SAMPLE NO.: D03 EHRT SAMPLE NO.: 29504

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone		206.95
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene		199.90
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	117.00%
Toluene-d8	-	101.00%
Bromofluorobenzene	-	97.00%

* Sample was rerun less diluted for this compound.

COMPUTER SEARCH

2-hydroxy-methyl ester Propanoic acid - Approx. 1600 ug/L
3-methoxy-2-Butanol - Approx. 30 ug/L
1-methylpropyl ester Formic acid - Approx. 30 ug/L
2-methyl-1-Propanol - Approx. 85 ug/L
ethyl ester Acetic acid - Approx. 40 ug/L
1-Butanol - Approx. 140 ug/L
2-ethyl-1-Hexanol - Approx. 3400 ug/L

AR100050

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #44)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D04	EHRT SAMPLE NO.:	29505
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone	<	5.00
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone		863.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

CUSTOMER SAMPLE NO.: D04 EHRT SAMPLE NO.: 29505

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone	<	5.00
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene		57.20
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	.	109.00%
Toluene-d8	.	105.00%
Bromofluorobenzene	.	109.00%

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Health Research & Testing, Inc.

Customer Name: ROY F. WESTON, INC. - MS. MARIAN MURPHY

Project No.: 12325 Method No.: EPA 8240

Customer Sample No.: D04 EHRT No.: 29505

COMPOUND	SPIKE ADDED (ng)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS% REC #	QC LIMITS REC.
1,1-Dichloroethene	250	0.0	34.46	69	61-145
Trichloroethene	250	0.0	49.53	99	71-120
Benzene	250	0.0	52.97	106	76-127
Toluene	250	11.44	61.61	100	76-125
Chlorobenzene	250	0.0	48.66	97	75-130

COMPOUND	MSD CONC. (ug/L)	MSD % REC #	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	31.03	62	69	11.0	14	61-145
Trichloroethene	44.83	90	99	9.5	14	71-120
Benzene	49.09	98	106	7.8	11	76-127
Toluene	56.30	90	100	10.5	13	76-125
Chlorobenzene	43.25	87	97	5.4	13	75-130

Column to be used to flag recovery and RPD values with an asterick

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

AR100053

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #52)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D05	EHRT SAMPLE NO.:	29506
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone	<	50.00
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane		3041.50
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane		9910.00 *
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100054

CUSTOMER SAMPLE NO.: D05 EHRT SAMPLE NO.: 29506

23.	Benzene		2508.50
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone		835.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		784000.00 *
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene		8295.50
33.	Styrene	<	25.00
34.	Xylene		51200.00 *
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	106.00%
Toluene-d8	-	111.00%
Bromofluorobenzene	-	107.00%

* Dilution factor for these compounds: 1:10 for 1,1,1-Trichloroethane & Xylene
1:500 for Toluene

AR100055

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #67)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D05	EHRT SAMPLE NO.:	29507
LAB NOTEBOOK NO.:	146, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone	<	50.00
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane	<	25.00
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane	<	25.00
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100056

CUSTOMER SAMPLE NO.: D06 EHRT SAMPLE NO.: 29507

23.	Benzene		812.50
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone		588.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		310900.00 *
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene		61800.00 *
33.	Styrene	<	25.00
34.	Xylene		351000.00 *
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	.	117.00%
Toluene-d8	.	111.00%
Bromofluorobenzene	.	105.00%

* Dilution factor for these compounds: 1:1000 for Toluene
1:250 for Ethylbenzene & Xylene

COMPUTER SEARCH

5-propyl-decane - Approx. 550 ug/kg
2,3-dimethyl pentane - Approx. 1300 ug/kg
3-ethyl-pentane - Approx. 850 ug/kg
octahydro pentalene - Approx. 700 ug/kg
2-methyl-hexane - Approx. 1200 ug/kg
Tetrahydro-3,3 dimethyl-2-methylene furan - Approx. 700 ug/kg
ethyl methyl Cyclohexane - Approx. 1700 ug/kg

AR100057

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #77)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-22-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	0.10
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D07	EHRT SAMPLE NO.:	29508
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	25.00
2.	Bromomethane	<	25.00
3.	Vinyl Chloride	<	25.00
4.	Chloroethane	<	25.00
5.	Methylene Chloride	<	50.00
6.	Acetone	<	50.00
7.	Carbon Disulfide	<	25.00
8.	1,1-Dichloroethene	<	25.00
9.	1,1-Dichloroethane	<	25.00
10.	1,2-Dichloroethene	<	25.00
11.	Chloroform	<	25.00
12.	1,2-Dichloroethane	<	25.00
13.	2-Butanone	<	100.00
14.	1,1,1,-Trichloroethane	<	25.00
15.	Carbon Tetrachloride	<	25.00
16.	Vinyl Acetate	<	50.00
17.	Bromodichloromethane	<	25.00
18.	1,2-Dichloropropane	<	25.00
19.	cis-1,3-Dichloropropene	<	25.00
20.	Trichloroethene	<	25.00
21.	Dibromochloromethane	<	25.00
22.	1,1,2-Trichloroethane	<	25.00

AR100058

CUSTOMER SAMPLE NO.: D07 EHRT SAMPLE NO.: 29508

23.	Benzene	<	25.00
24.	trans-1,3-Dichloropropene	<	25.00
25.	Bromoform	<	25.00
26.	4-Methyl-2-Pentanone	<	100.00
27.	2-Hexanone	<	50.00
28.	Tetrachloroethene	<	25.00
29.	1,1,2,2-Tetrachloroethane	<	25.00
30.	Toluene		453.50
31.	Chlorobenzene	<	25.00
32.	Ethylbenzene		190.50
33.	Styrene	<	25.00
34.	Xylene		1136.50
35.	Trichlorofluoromethane	<	25.00
36.	Trans-1,2-Dichloroethylene	<	25.00
37.	Chlorodibromomethane	<	25.00
38.	2-Chloroethylvinylether	<	25.00
39.	Acrylonitrile	<	100.00
40.	Ethanol	<	20000.00
41.	1,2,3-Trichloropropane	<	25.00
42.	Dibromomethane	<	25.00
43.	1,3-Dichlorobenzene	<	25.00
44.	Acrolein	<	100.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	99.00%
Toluene-d8	-	99.00%
Bromofluorobenzene	-	109.00%

AR100059

ENVIRONMENTAL HEALTH RESEARCH AND TESTING INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #85)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	250.00
CUSTOMER SAMPLE NO.:	D08	EHRT SAMPLE NO.:	29509
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	625.00
2.	Bromomethane	<	625.00
3.	Vinyl Chloride	<	625.00
4.	Chloroethane	<	625.00
5.	Methylene Chloride	<	1250.00
6.	Acetone	<	1250.00
7.	Carbon Disulfide	<	625.00
8.	1,1-Dichloroethene	<	625.00
9.	1,1-Dichloroethane	<	625.00
10.	1,2-Dichloroethene	<	625.00
11.	Chloroform	<	625.00
12.	1,2-Dichloroethane	<	625.00
13.	2-Butanone	<	2500.00
14.	1,1,1,-Trichloroethane	<	625.00
15.	Carbon Tetrachloride	<	625.00
16.	Vinyl Acetate	<	1250.00
17.	Bromodichloromethane	<	625.00
18.	1,2-Dichloropropane	<	625.00
19.	cis-1,3-Dichloropropene	<	625.00
20.	Trichloroethene	<	625.00
21.	Dibromochloromethane	<	625.00
22.	1,1,2-Trichloroethane	<	625.00

AR100060

CUSTOMER SAMPLE NO.: D08 EHRT SAMPLE NO.: 29509

23.	Benzene		1962.50
24.	trans-1,3-Dichloropropene	<	625.00
25.	Bromoform	<	625.00
26.	4-Methyl-2-Pentanone	<	2500.00
27.	2-Hexanone	<	1250.00
28.	Tetrachloroethene	<	625.00
29.	1,1,2,2-Tetrachloroethane	<	625.00
30.	Toluene		79775.00
31.	Chlorobenzene	<	625.00
32.	Ethylbenzene	<	625.00
33.	Styrene	<	625.00
34.	Xylene	<	625.00
35.	Trichlorofluoromethane	<	625.00
36.	Trans-1,2-Dichloroethylene	<	625.00
37.	Chlorodibromomethane	<	625.00
38.	2-Chloroethylvinylether	<	625.00
39.	Acrylonitrile	<	2500.00
40.	Ethanol	<	500000.00
41.	1,2,3-Trichloropropane	<	625.00
42.	Dibromomethane	<	625.00
43.	1,3-Dichlorobenzene	<	625.00
44.	Acrolein	<	2500.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	118.00%
Toluene-d8	-	108.00%
Bromofluorobenzene	-	102.00%

AR100061

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Mar.: Site (DRUM #97)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	0.01
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D09	EHRT SAMPLE NO.:	29510
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	500.00
2.	Bromomethane	<	500.00
3.	Vinyl Chloride	<	500.00
4.	Chloroethane	<	500.00
5.	Methylene Chloride	<	1000.00
6.	Acetone		2123000.00 *
7.	Carbon Disulfide	<	500.00
8.	1,1-Dichloroethene	<	500.00
9.	1,1-Dichloroethane	<	500.00
10.	1,2-Dichloroethene	<	500.00
11.	Chloroform	<	500.00
12.	1,2-Dichloroethane	<	500.00
13.	2-Butanone		144000.00 *
14.	1,1,1,-Trichloroethane		54050.00
15.	Carbon Tetrachloride	<	500.00
16.	Vinyl Acetate	<	1000.00
17.	Bromodichloromethane	<	500.00
18.	1,2-Dichloropropane	<	500.00
19.	cis-1,3-Dichloropropene	<	500.00
20.	Trichloroethene	<	500.00
21.	Dibromochloromethane	<	500.00
22.	1,1,2-Trichloroethane	<	500.00

AR100062

CUSTOMER SAMPLE NO.: D09 EHRT SAMPLE NO.: 29510

23.	Benzene		3590.00
24.	trans-1,3-Dichloropropene	<	500.00
25.	Bromoform	<	500.00
26.	4-Methyl-2-Pentanone		327570.00
27.	2-Hexanone	<	1000.00
28.	Tetrachloroethene	<	500.00
29.	1,1,2,2-Tetrachloroethane	<	500.00
30.	Toluene		47010.00
31.	Chlorobenzene	<	500.00
32.	Ethylbenzene		21760.00
33.	Styrene	<	500.00
34.	Xylene		130030.00
35.	Trichlorofluoromethane	<	500.00
36.	Trans-1,2-Dichloroethylene	<	500.00
37.	Chlorodibromomethane	<	500.00
38.	2-Chloroethylvinylether	<	500.00
39.	Acrylonitrile	<	2000.00
40.	Ethanol	<	400000.00
41.	1,2,3-Trichloropropane	<	500.00
42.	Dibromomethane	<	500.00
43.	1,3-Dichlorobenzene	<	500.00
44.	Acrolein	<	2000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	106.00%
Toluene-d8	-	97.00%
Bromofluorobenzene	-	101.00%

* Sample was diluted 1:20 for these compounds.

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #116)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	0.01
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D11	EHRT SAMPLE NO.:	29512
LAB NOTEBOOK NO.:	146, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	500.00
2.	Bromomethane	<	500.00
3.	Vinyl Chloride	<	500.00
4.	Chloroethane	<	500.00
5.	Methylene Chloride	<	1000.00
6.	Acetone		184300.00
7.	Carbon Disulfide	<	500.00
8.	1,1-Dichloroethene	<	500.00
9.	1,1-Dichloroethane	<	500.00
10.	1,2-Dichloroethene	<	500.00
11.	Chloroform	<	500.00
12.	1,2-Dichloroethane	<	500.00
13.	2-Butanone	<	2000.00
14.	1,1,1,-Trichloroethane	<	500.00
15.	Carbon Tetrachloride	<	500.00
16.	Vinyl Acetate	<	1000.00
17.	Bromodichloromethane	<	500.00
18.	1,2-Dichloropropane	<	500.00
19.	cis-1,3-Dichloropropene	<	500.00
20.	Trichloroethene	<	500.00
21.	Dibromochloromethane	<	500.00
22.	1,1,2-Trichloroethane	<	500.00

AR100064

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #101)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D10	EHRT SAMPLE NO.:	29511
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/L
1.	Chloromethane	<	2.50
2.	Bromomethane	<	2.50
3.	Vinyl Chloride	<	2.50
4.	Chloroethane	<	2.50
5.	Methylene Chloride	<	5.00
6.	Acetone	<	5.00
7.	Carbon Disulfide	<	2.50
8.	1,1-Dichloroethene	<	2.50
9.	1,1-Dichloroethane	<	2.50
10.	1,2-Dichloroethene	<	2.50
11.	Chloroform	<	2.50
12.	1,2-Dichloroethane	<	2.50
13.	2-Butanone	<	10.00
14.	1,1,1,-Trichloroethane	<	2.50
15.	Carbon Tetrachloride	<	2.50
16.	Vinyl Acetate	<	5.00
17.	Bromodichloromethane	<	2.50
18.	1,2-Dichloropropane	<	2.50
19.	cis-1,3-Dichloropropene	<	2.50
20.	Trichloroethene	<	2.50
21.	Dibromochloromethane	<	2.50
22.	1,1,2-Trichloroethane	<	2.50

CUSTOMER SAMPLE NO.: D10 EHRT SAMPLE NO.: 29511

23.	Benzene	<	2.50
24.	trans-1,3-Dichloropropene	<	2.50
25.	Bromoform	<	2.50
26.	4-Methyl-2-Pentanone	<	10.00
27.	2-Hexanone		572.70
28.	Tetrachloroethene	<	2.50
29.	1,1,2,2-Tetrachloroethane	<	2.50
30.	Toluene	<	2.50
31.	Chlorobenzene	<	2.50
32.	Ethylbenzene	<	2.50
33.	Styrene	<	2.50
34.	Xylene	<	2.50
35.	Trichlorofluoromethane	<	2.50
36.	Trans-1,2-Dichloroethylene	<	2.50
37.	Chlorodibromomethane	<	2.50
38.	2-Chloroethylvinylether	<	2.50
39.	Acrylonitrile	<	10.00
40.	Ethanol	<	2000.00
41.	1,2,3-Trichloropropane	<	2.50
42.	Dibromomethane	<	2.50
43.	1,3-Dichlorobenzene	<	2.50
44.	Acrolein	<	10.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	113.00%
Toluene-d8	-	97.00%
Bromofluorobenzene	-	111.00%

AR100066

CUSTOMER SAMPLE NO.: D11 EHRT SAMPLE NO.: 29512

23.	Benzene	<	500.00
24.	trans-1,3-Dichloropropene	<	500.00
25.	Bromoform	<	500.00
26.	4-Methyl-2-Pentanone	<	2000.00
27.	2-Hexanone	<	1000.00
28.	Tetrachloroethene	<	500.00
29.	1,1,2,2-Tetrachloroethane	<	500.00
30.	Toluene		9840.00
31.	Chlorobenzene	<	500.00
32.	Ethylbenzene	<	500.00
33.	Styrene	<	500.00
34.	Xylene	<	500.00
35.	Trichlorofluoromethane	<	500.00
36.	Trans-1,2-Dichloroethylene	<	500.00
37.	Chlorodibromomethane	<	500.00
38.	2-Chloroethylvinylether	<	500.00
39.	Acrylonitrile	<	2000.00
40.	Ethanol	<	400000.00
41.	1,2,3-Trichloropropane	<	500.00
42.	Dibromomethane	<	500.00
43.	1,3-Dichlorobenzene	<	500.00
44.	Acrolein	<	2000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	112.00%
Toluene-d8	-	89.00%
Bromofluorobenzene	-	97.00%

AR100067

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #136)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-21-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	1.00
ANALYST:	J. Tobler	DILUTION FACTOR:	500.00
CUSTOMER SAMPLE NO.:	D12	EHRT SAMPLE NO.:	29513
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS		RESULT ug/kg
1.	Chloromethane	<	1250.00
2.	Bromomethane	<	1250.00
3.	Vinyl Chloride	<	1250.00
4.	Chloroethane	<	1250.00
5.	Methylene Chloride	<	2500.00
6.	Acetone		698575.00
7.	Carbon Disulfide	<	1250.00
8.	1,1-Dichloroethene	<	1250.00
9.	1,1-Dichloroethane	<	1250.00
10.	1,2-Dichloroethene	<	1250.00
11.	Chloroform	<	1250.00
12.	1,2-Dichloroethane	<	1250.00
13.	2-Butanone		115225.00
14.	1,1,1,-Trichloroethane	<	1250.00
15.	Carbon Tetrachloride	<	1250.00
16.	Vinyl Acetate	<	2500.00
17.	Bromodichloromethane	<	1250.00
18.	1,2-Dichloropropane	<	1250.00
19.	cis-1,3-Dichloropropene	<	1250.00
20.	Trichloroethene	<	1250.00
21.	Dibromochloromethane	<	1250.00
22.	1,1,2-Trichloroethane	<	1250.00

CUSTOMER SAMPLE NO.: D12 EHRT SAMPLE NO.: 29513

23.	Benzene	<	1250.00
24.	trans-1,3-Dichloropropene	<	1250.00
25.	Bromoform	<	1250.00
26.	4-Methyl-2-Pentanone	<	5000.00
27.	2-Hexanone	<	2500.00
28.	Tetrachloroethene	<	1250.00
29.	1,1,2,2-Tetrachloroethane	<	1250.00
30.	Toluene		209175.00
31.	Chlorobenzene	<	1250.00
32.	Ethylbenzene		59525.00
33.	Styrene	<	1250.00
34.	Xylene		260625.00
35.	Trichlorofluoromethane	<	1250.00
36.	Trans-1,2-Dichloroethylene	<	1250.00
37.	Chlorodibromomethane	<	1250.00
38.	2-Chloroethylvinylether	<	1250.00
39.	Acrylonitrile	<	5000.00
40.	Ethanol	<	1000000.00
41.	1,2,3-Trichloropropane	<	1250.00
42.	Dibromomethane	<	1250.00
43.	1,3-Dichlorobenzene	<	1250.00
44.	Acrolein	<	5000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	113.00%
Toluene-d8	-	95.00%
Bromofluorobenzene	-	94.00%

AR100069

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS .MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #179)		
WORK ORDER NO.:	N/A	PROJECT NO.:	12325
DATE EXTRACTED:	N/A	DATE ANALYZED:	11-22-90
SAMPLE TYPE:	Water Sample	SAMPLE VOLUME:	0.01
ANALYST:	J. Tobler	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D13	EHRT SAMPLE NO.:	29514
LAB NOTEBOOK NO.:	148, Pg. 72-78	METHOD NO.:	EPA 8240

	COMPOUNDS	RESULT ug/L
1.	Chloromethane	< 250.00
2.	Bromomethane	< 250.00
3.	Vinyl Chloride	< 250.00
4.	Chloroethane	< 250.00
5.	Methylene Chloride	< 500.00
6.	Acetone	< 500.00
7.	Carbon Disulfide	< 250.00
8.	1,1-Dichloroethene	< 250.00
9.	1,1-Dichloroethane	< 250.00
10.	1,2-Dichloroethene	< 250.00
11.	Chloroform	< 250.00
12.	1,2-Dichloroethane	< 250.00
13.	2-Butanone	< 1000.00
14.	1,1,1,-Trichloroethane	< 250.00
15.	Carbon Tetrachloride	< 250.00
16.	Vinyl Acetate	< 500.00
17.	Bromodichloromethane	< 250.00
18.	1,2-Dichloropropane	< 250.00
19.	cis-1,3-Dichloropropene	< 250.00
20.	Trichloroethene	< 250.00
21.	Dibromochloromethane	< 250.00
22.	1,1,2-Trichloroethane	< 250.00

AR100070

CUSTOMER SAMPLE NO.: D13 EHRT SAMPLE NO.: 29514

23.	Benzene		1055.00
24.	trans-1,3-Dichloropropene	<	250.00
25.	Bromoform	<	250.00
26.	4-Methyl-2-Pentanone	<	1000.00
27.	2-Hexanone	<	500.00
28.	Tetrachloroethene	<	250.00
29.	1,1,2,2-Tetrachloroethane	<	250.00
30.	Toluene		90530.00
31.	Chlorobenzene	<	250.00
32.	Ethylbenzene		2085.00
33.	Styrene	<	250.00
34.	Xylene		9320.00
35.	Trichlorofluoromethane	<	250.00
36.	Trans-1,2-Dichloroethylene	<	250.00
37.	Chlorodibromomethane	<	250.00
38.	2-Chloroethylvinylether	<	250.00
39.	Acrylonitrile	<	1000.00
40.	Ethanol	<	200000.00
41.	1,2,3-Trichloropropane	<	250.00
42.	Dibromomethane	<	250.00
43.	1,3-Dichlorobenzene	<	250.00
44.	Acrolein	<	1000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	104.00%
Toluene-d8	-	103.00%
Bromofluorobenzene	-	110.00%

AR100071

CUSTOMER SAMPLE NO.: D14 EHRT SAMPLE NO.: 29515

23.	Benzene	<	1250.00
24.	trans-1,3-Dichloropropene	<	1250.00
25.	Bromoform	<	1250.00
26.	4-Methyl-2-Pentanone	<	5000.00
27.	2-Hexanone	<	2500.00
28.	Tetrachloroethene	<	1250.00
29.	1,1,2,2-Tetrachloroethane	<	1250.00
30.	Toluene		288850.00
31.	Chlorobenzene	<	1250.00
32.	Ethylbenzene	<	1250.00
33.	Styrene	<	1250.00
34.	Xylene	<	1250.00
35.	Trichlorofluoromethane	<	1250.00
36.	Trans-1,2-Dichloroethylene	<	1250.00
37.	Chlorodibromomethane	<	1250.00
38.	2-Chloroethylvinylether	<	1250.00
39.	Acrylonitrile	<	5000.00
40.	Ethanol	<	1000000.00
41.	1,2,3-Trichloropropane	<	1250.00
42.	Dibromomethane	<	1250.00
43.	1,3-Dichlorobenzene	<	1250.00
44.	Acrolein	<	5000.00

SURROGATE STANDARDS - % RECOVERIES

1,2-Dichloroethane-d4	-	102.00%
Toluene-d8	-	103.00%
Bromofluorobenzene	-	98.00%

AR100072

ENVIRONMETNAL HEALTH RESEARCH AND TESTING, INC.

SEMI-VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON - MR. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-26-90	DATE ANALYZED:	12-04-90
SAMPLE TYPE:	Soil Blank	SAMPLE WEIGHT:	10.00
ANALYST:	N. Nusekabel	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	149, Pg. 100	METHOD NO.:	EPA 8270

	COMPOUNDS		RESULT mg/kg
1.	Phenol	<	0.50
2.	Bis(2-Chloroethyl)Ether	<	0.50
3.	2-Chlorophenol	<	0.50
4.	1,3-Dichlorobenzene	<	1.00
5.	1,4-Dichlorobenzene	<	1.00
6.	Benzyl Alcohol	<	0.50
7.	1,2-Dichlorobenzene	<	1.00
8.	2-Methylphenol	<	0.50
9.	Bis-(2-Chloroisopropyl)Ether	<	1.00
10.	4-Methylphenol	<	0.50
11.	N-Nitroso-Di-n-Propylamine	<	1.00
12.	Hexachloroethane	<	1.00
13.	Nitrobenzene	<	0.50
14.	Isophorone	<	0.50
15.	2-Nitrophenol	<	1.00
16.	2,4-Dimethylphenol	<	0.50
17.	Benzoic Acid	<	5.00
18.	Bis(2-Chloroethoxy)Methane	<	0.50
19.	2,4-Dichlorophenol	<	1.00
20.	1,2,4-Trichlorobenzene	<	1.00
21.	Naphthalene	<	0.30
22.	4-Chloroaniline	<	3.00
23.	Hexachlorobutadiene	<	3.00
24.	4-Chloro-3-Methylphenol	<	0.50
25.	2-Methylnaphthalene	<	0.30
26.	Hexachlorocyclopentadiene	<	3.00
27.	2,4,5-Trichlorophenol	<	1.00
28.	2,4,6-Trichlorophenol	<	1.00

AR100073

.STOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

29.	2-Chloronaphthalene	<	0.50
30.	2-Nitroaniline	<	3.00
31.	Dimethylphthalate	<	0.50
32.	Acenaphthylene	<	0.50
33.	2,6-Dinitrotoluene	<	1.00
34.	3-Nitroaniline	<	3.00
35.	Acenaphthene	<	0.50
36.	2,4-Dinitrophenol	<	10.00
37.	4-Nitrophenol	<	5.00
38.	Dibenzofuran	<	1.00
39.	2,4-Dinitrotoluene	<	1.00
40.	Diethylphthalate	<	0.50
41.	4-Chlorophenyl-Phenylether	<	1.00
42.	Fluorene	<	0.50
43.	4-Nitroaniline	<	5.00
44.	4,6-Dinitro-2-Methylphenol	<	5.00
45.	N-Nitrosodiphenylamine	<	0.50
46.	4-Bromophenyl-Phenylether	<	1.00
47.	Hexachlorobenzene	<	1.00
48.	Pentachlorophenol	<	5.00
49.	Phenanthrene	<	0.50
50.	Anthracene	<	0.50
51.	Di-n-Butylphthalate		0.31
52.	Fluoranthene	<	0.50
53.	Pyrene	<	0.30
54.	Butylbenzylphthalate	<	0.50
55.	3,3'-Dichlorobenzidine	<	5.00
56.	Benzo(a)Anthracene	<	0.50
57.	Chrysene	<	0.50
58.	Bis(2-Ethylhexyl)Phthalate	<	0.30
59.	Di-n-Octylphthalate	<	0.50
60.	Benzo(b)Fluoranthene	<	2.00
61.	Benzo(k)Fluoranthene	<	2.00
62.	Benzo(a)Pyrene	<	1.00
63.	Indeno(1,2,3-cd)Pyrene	<	2.00
64.	Dibenzo(a,h)Anthracene	<	2.00
65.	Benzo(g,h,i)Perylene	<	2.00

SURROGATE COMPOUND	PERCENT RECOVERY
Nitrobenzene-d5	46.30%
2-Fluorobiphenyl	41.40%
Terphenyl-d14	38.30%
Phenol-d5	36.80%
2-Fluorophenol	37.20%
2,4,6-Tribromophenol	36.70%

AR100074

ENVIRONMETNAL HEALTH RESEARCH AND TESTING, INC.

SEMI-VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON - MR. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-26-90	DATE ANALYZED:	12-03-90
SAMPLE TYPE:	Drum Sample	SAMPLE WEIGHT:	10.00
ANALYST:	N. Nusekabol	DILUTION FACTOR:	10.00
CUSTOMER SAMPLE NO.:	D09	EHRT SAMPLE NO.:	29510
LAB NOTEBOOK NO.:	149, Pg. 100	METHOD NO.:	EPA 8270

	COMPOUNDS	RESULT mg/kg
1.	Phenol	< 5.00
2.	Bis(2-Chloroethyl)Ether	< 5.00
3.	2-Chlorophenol	< 5.00
4.	1,3-Dichlorobenzene	< 10.00
5.	1,4-Dichlorobenzene	< 10.00
6.	Benzyl Alcohol	0.93
7.	1,2-Dichlorobenzene	< 10.00
8.	2-Methylphenol	< 5.00
9.	Bis-(2-Chloroisopropyl)Ether	< 10.00
10.	4-Methylphenol	< 5.00
11.	N-Nitroso-Di-n-Propylamine	< 10.00
12.	Hexachloroethane	< 10.00
13.	Nitrobenzene	< 5.00
14.	Isophorone	5.00
15.	2-Nitrophenol	< 10.00
16.	2,4-Dimethylphenol	< 5.00
17.	Benzoic Acid	< 50.00
18.	Bis(2-Chloroethoxy)Methane	< 5.00
19.	2,4-Dichlorophenol	< 10.00
20.	1,2,4-Trichlorobenzene	< 10.00
21.	Naphthalene	4.00
22.	4-Chloroaniline	< 30.00
23.	Hexachlorobutadiene	< 30.00
24.	4-Chloro-3-Methylphenol	< 5.00
25.	2-Methylnaphthalene	0.69
26.	Hexachlorocyclopentadiene	< 30.00
27.	2,4,5-Trichlorophenol	< 10.00
28.	2,4,6-Trichlorophenol	< 10.00

AR100075

CUSTOMER SAMPLE NO.: D09 EHRT SAMPLE NO.: 29510

29.	2-Chloronapnthalene	<	5.00
30.	2-Nitroaniline	<	30.00
31.	Dimethylphthalate	<	5.00
32.	Acenaphthylene	<	5.00
33.	2,6-Dinitrotoluene	<	10.00
34.	3-Nitroaniline	<	30.00
35.	Acenaphthene	<	5.00
36.	2,4-Dinitrophenol	<	100.00
37.	4-Nitrophenol	<	50.00
38.	Dibenzofuran	<	10.00
39.	2,4-Dinitrotoluene	<	10.00
40.	Diethylphthalate	<	5.00
41.	4-Chlorophenyl-Phenylether	<	10.00
42.	Fluorene	<	5.00
43.	4-Nitroaniline	<	50.00
44.	4,6-Dinitro-2-Methylphenol	<	50.00
45.	N-Nitrosodiphenylamine	<	5.00
46.	4-Bromophenyl-Phenylether	<	10.00
47.	Hexachlorobenzene	<	10.00
48.	Pentachlorophenol	<	50.00
49.	Phenanthrene	<	5.00
50.	Anthracene	<	5.00
51.	Di-n-Butylphthalate	<	3.00
52.	Fluoranthene	<	5.00
53.	Pyrene	<	3.00
54.	Butylbenzylphthalate	<	5.00
55.	3,3'-Dichlorobenzidine	<	50.00
56.	Benzo(a)Anthracene	<	5.00
57.	Chrysene	<	5.00
58.	Bis(2-Ethylhexyl)Phthalate	<	3.00
59.	Di-n-Octylphthalate	<	5.00
60.	Benzo(b)Fluoranthene	<	20.00
61.	Benzo(k)Fluoranthene	<	20.00
62.	Benzo(a)Pyrene	<	10.00
63.	Indeno(1,2,3-cd)Pyrene	<	20.00
64.	Dibenzo(a,h)Anthracene	<	20.00
65.	Benzo(g,h,i)Perylene	<	20.00

SURROGATE COMPOUND	PERCENT RECOVERY	
Nitrobenzene-d5	10.00%	*
2-Fluorobiphenyl	13.00%	
Terphenyl-d14	15.60%	
Phenol-d5	10.00%	*
2-Fluorophenol	10.00%	*
2,4,6-Tribromophenol	10.00%	*

AR100076

CUSTOMER SAMPLE NO.: D09 EHRT SAMPLE NO.: 29510

Low recovery due to heavy emulsion. Sample had to be diluted out.

COMPUTER SEARCH

Hexane, 2,4-Dimethyl	•	Approx. 1.25 mg/kg
Acetic Acid, Butyl Ester	•	Approx. 12.50 mg/kg
Benzene, Ethyl	•	Approx. 3.75 mg/kg
Benzene, 1,2-Dimethyl	•	Approx. 6.25 mg/kg
Ethanol, 2-Butoxy	•	Approx. 118 mg/kg
Benzene, 1,2,4-Trimethyl	•	Approx. 2.5 mg/kg
1-Hexanol, 2-Ethyl	•	Approx. 2.5 mg/kg
Benzene, 1-Ethyl-3,5-Dimethyl	•	Approx. 2.5 mg/kg
Undecane	•	Approx. 5.0 mg/kg
Tetradecane	•	Approx. 1.25 mg/kg
9,12-Octadecadienoic Acid, Methyl Ester, (E,E)	•	Approx. 2.5 mg/kg

AR100077

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Health Research & Testing, Inc.

Customer Name: ROY F. WESTON - MS. MARIAN MURPHY

EHRT Project No.: 12325 Method No.: EPA 625

Customer Sample No.: D09 EHRT No.: 29510

COMPOUND	AMOUNT ADDED (ng)	SAMPLE CONC. IN EXTRACT (ug/L)	MS CONC. IN EXTRACT (ug/L)	MS% REC #	QC LIMITS REC.
Phenol	200	0.00	3.25	1.4*	26-90
2-Chlorophenol	200	0.00	0.24	1.0*	25-102
1,4-Dichlorobenzene	100	0.00	15.9	15.9*	28-104
N-Nitroso-di-n-Propylamine	100	0.00	19.1	19.1*	41-126
1,2,4-Trichlorobenzene	100	0.00	15.9	15.9*	38-107
4-Chloro-3-Methylphenol	200	0.00	2.6	1.3*	26-103
Acenaphthene	100	0.00	14.1	14.1*	31-137
4-Nitrophenol	200	0.00	0.0	N.D.	11-114
2,4-Dinitrotoluene	100	0.00	0.0	N.D.	28-89
Pentachlorophenol	200	0.00	0.0	N.D.	17-109
Pyrene	100	0.00	11.1	11.1*	35-142

COMPOUND	MSD CONC. IN EXTRACT (ug/L)	MSD % REC #	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7.38	3.7*	1.1	108*	35	26-90
2-Chlorophenol	4.00	2.0*	1.0	67*	50	25-102
1,4-Dichlorobenzene	7.75	7.8*	15.9	68*	27	28-104
N-Nitroso-di-n-Propylamine	7.75	7.8*	19.1	84	38	41-126
1,2,4-Trichlorobenzene	8.25	8.3*	15.9	63	23	38-107
4-Chloro-3-Methylphenol	3.75	1.9*	1.3	38	33	26-103
Acenaphthene	6.88	6.9*	14.1	76	19	31-137
4-Nitrophenol	0.0	N.D.	N.D.	0	50	11-114
2,4-Dinitrotoluene	0.0	N.D.	N.D.	0	47	28-89
Pentachlorophenol	0.0	N.D.	N.D.	0	47	17-109
Pyrene	3.88	31.9	11.1	96	36	35-142

Column to be used to flag recovery and RPD values with an asterick
* Values outside of QC limits
N.D. - Not Detected

RPD: 11 out of 11 outside limits
Spike Recovery: 22 out of 22 outside limits

COMMENTS: Heavy emulsion. The sample was diluted 1:10. Matrix spike and duplicate showed the same sample result.

AR100078

ENVIRONMETNAL HEALTH RESEARCH AND TESTING, INC.

SEMI-VOLATILE ORGANIC ANALYSIS

CUSTOMER NAME:	ROY F. WESTON - MR. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORDER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-19-90	DATE ANALYZED:	12-04-90
SAMPLE TYPE:	Drum Sample	SAMPLE WEIGHT:	10.00
ANALYST:	N. Nusekabel	DILUTION FACTOR:	10.00
CUSTOMER SAMPLE NO.:	D012	EHRT SAMPLE NO.:	29513
LAB NOTEBOOK NO.:	149, Pg. 100	METHOD NO.:	EPA 8270

	COMPOUNDS		RESULT mg/kg
1.	Phenol	<	5.00
2.	Bis(2-Chloroethyl)Ether	<	5.00
3.	2-Chlorophenol	<	5.00
4.	1,3-Dichlorobenzene	<	10.00
5.	1,4-Dichlorobenzene	<	10.00
6.	Benzyl Alcohol	<	5.00
7.	1,2-Dichlorobenzene	<	10.00
8.	2-Methylphenol	<	5.00
9.	Bis-(2-Chloroisopropyl)Ether	<	10.00
10.	4-Methylphenol	<	5.00
11.	N-Nitroso-Di-n-Propylamine	<	10.00
12.	Hexachloroethane	<	10.00
13.	Nitrobenzene	<	5.00
14.	Isophorone	<	5.00
15.	2-Nitrophenol	<	10.00
16.	2,4-Dimethylphenol	<	5.00
17.	Benzoic Acid	<	50.00
18.	Bis(2-Chloroethoxy)Methane	<	5.00
19.	2,4-Dichlorophenol	<	10.00
20.	1,2,4-Trichlorobenzene	<	10.00
21.	Naphthalene		16.60
22.	4-Chloroaniline	<	30.00
23.	Hexachlorobutadiene	<	30.00
24.	4-Chloro-3-Methylphenol	<	5.00
25.	2-Methylnaphthalene		14.30
26.	Hexachlorocyclopentadiene	<	30.00
27.	2,4,5-Trichlorophenol	<	10.00
28.	2,4,6-Trichlorophenol		10.00

AR100079

CUSTOMER SAMPLE NO.: D012 EHRT SAMPLE NO.: 29513

29.	2-Chloronaphthalene	<	5.00
30.	2-Nitroaniline	<	30.00
31.	Dimethylphthalate	<	5.00
32.	Acenaphthylene	<	5.00
33.	2,6-Dinitrotoluene	<	10.00
34.	3-Nitroaniline	<	30.00
35.	Acenaphthene	<	5.00
36.	2,4-Dinitrophenol	<	100.00
37.	4-Nitrophenol	<	50.00
38.	Dibenzofuran	<	10.00
39.	2,4-Dinitrotoluene	<	10.00
40.	Diethylphthalate	<	5.00
41.	4-Chlorophenyl-Phenylether	<	10.00
42.	Fluorene		2.63
43.	4-Nitroaniline	<	50.00
44.	4,6-Dinitro-2-Methylphenol	<	50.00
45.	N-Nitrosodiphenylamine	<	5.00
46.	4-Bromophenyl-Phenylether	<	10.00
47.	Hexachlorobenzene	<	10.00
48.	Pentachlorophenol	<	50.00
49.	Phenanthrene		6.96
50.	Anthracene		1.25
51.	Di-n-Butylphthalate		22.80
52	Fluoranthene	<	5.00
53.	Pyrene		1.51
54.	Butylbenzylphthalate	<	5.00
55.	3,3'-Dichlorobenzidine	<	50.00
56.	Benzo(a)Anthracene	<	5.00
57.	Chrysene	<	5.00
58.	Bis(2-Ethylhexyl)Phthalate	<	3.00
59.	Di-n-Octylphthalate	<	5.00
60.	Benzo(b)Fluoranthene	<	20.00
61.	Benzo(k)Fluoranthene	<	20.00
62.	Benzo(a)Pyrene	<	10.00
63.	Indeno(1,2,3-cd)Pyrene	<	20.00
64.	Dibenzo(a,h)Anthracene	<	20.00
65.	Benzo(g,h,i)Perylene	<	20.00

SURROGATE COMPOUND	PERCENT RECOVERY	
Nitrobenzene-d5	14.80%	
2-Fluorobiphenyl	10.00%	*
Terphenyl-d14	10.00%	*
Phenol-d5	10.00%	*
2-Fluorophenol	10.00%	*
2,4,6-Tribromophenol	10.00%	*

AR100080

CUSTOMER SAMPLE NO.: D012 EHRT SAMPLE NO.: 29513

..w recovery due to heavy emulsion. Sample had to be diluted out.

COMPUTER SEARCH

Benzene, Ethyl	-	Approx. 40 mg/kg
Benzene, 1,4-Dimethyl	-	Approx. 115 mg/kg
Benzene, 1,3-Dimethyl	-	Approx. 54 mg/kg
Nonane	-	Approx. 52 mg/kg
Benzene, 1,2,4-Trimethyl	-	Approx. 46 mg/kg
Decane	-	Approx. 190 mg/kg
Decane, 5-Methyl	-	Approx. 42 mg/kg
Decane, 4-Methyl		Approx. 48 mg/kg
Decane, 2-Methyl	-	Approx. 56 mg/kg
Dodecane	-	Approx. 250 mg/kg
Tridecane, 2-Methyl	-	Approx. 42 mg/kg
Dodecane, 2,6,10-Trimethyl	-	Approx. 52 mg/kg
Tetradecane	-	Approx. 385 mg/kg
Hexadecane, 2,6,10,14-Tetramethyl	-	Approx. 106 mg/kg
Tridecane, 6-Propyl	-	Approx. 40 mg/kg
Heptadecane	-	Approx. 79 mg/kg

AR100081

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
PESTICIDES - PCB ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORKER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-19-90	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Blank	SAMPLE WEIGHT:	10.00
ANALYST:	M. Cooper/P. Ward	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	158, Pg. 60	METHOD NO.:	EPA 8080

	COMPOUNDS	RESULT ug/kg
1.	Alpha-BHC	< 0.07
2.	Beta-BHC	< 0.04
3.	Delta-BHC	< 0.03
4.	Gamma-BHC	< 0.03
5.	Heptachlor	< 0.10
6.	Aldrin	< 0.08
7.	Heptachlor Epoxide	< 0.07
8.	Alpha Endosulfan	< 0.04
9.	Dieldrin	< 0.02
10.	4,4'-DDE	< 0.02
11.	Endrin	< 0.03
12.	Beta Endosulfan	< 0.04
13.	4,4'-DDD	< 2.00
14.	Endosulfan Sulfate	< 0.02
15.	4,4'-DDT	< 0.06
16.	Methoxychlor	< 0.02
17.	Endrin Ketone	< 2.00
18.	Chlordane	< 10.00
19.	Toxaphene	< 150.00

AR100082

CUSTOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

20.	Aroclor-1016	<	25.00
21.	Aroclor-1221	<	25.00
22.	Aroclor-1232	<	25.00
23.	Aroclor-1242	<	25.00
24.	Aroclor-1248	<	25.00
25.	Aroclor-1254	<	25.00
26.	Aroclor-1260	<	25.00

AR100083

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
PESTICIDES - PCB ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site		
WORK ORKER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-19-90	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Method Blank	SAMPLE WEIGHT:	10.00
ANALYST:	M. Cooper/P. Ward	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	N/A	EHRT SAMPLE NO.:	N/A
LAB NOTEBOOK NO.:	158, Pg. 60	METHOD NO.:	EPA 8080

	COMPOUNDS	RESULT ug/kg
1.	Alpha-BHC	< 0.07
2.	Beta-BHC	< 0.04
3.	Delta-BHC	< 0.03
4.	Gamma-BHC	< 0.03
5.	Heptachlor	< 0.10
6.	Aldrin	< 0.08
7.	Heptachlor Epoxide	< 0.07
8.	Alpha Endosulfan	< 0.04
9.	Dieldrin	< 0.02
10.	4,4'-DDE	< 0.02
11.	Endrin	< 0.03
12.	Beta Endosulfan	< 0.04
13.	4,4'-DDD	< 2.00
14.	Endosulfan Sulfate	< 0.02
15.	4,4'-DDT	< 0.06
16.	Methoxychlor	< 0.02
17.	Endrin Ketone	< 2.00
18.	Chlordane	< 10.00
19.	Toxaphene	< 150.00

AR100084

.TOMER SAMPLE NO.: N/A EHRT SAMPLE NO.: N/A

20.	Aroclor-1016	<	25.00
21.	Aroclor-1221	<	25.00
22.	Aroclor-1232	<	25.00
23.	Aroclor-1242	<	25.00
24.	Aroclor-1248	<	25.00
25.	Aroclor-1254	<	25.00
26.	Aroclor-1260	<	25.00

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
PESTICIDES - PCB ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #97)		
WORK ORKER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-19-90	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Water Sample	SAMPLE WEIGHT:	4.96
ANALYST:	M. Cooper/P. Ward	DILUTION FACTOR:	1.00
CUSTOMER SAMPLE NO.:	D09	EHRT SAMPLE NO.:	29510
LAB NOTEBOOK NO.:	158, Pg. 60	METHOD NO.:	EPA 8080

	COMPOUNDS	RESULT ug/kg
1.	Alpha-BHC	< 0.07
2.	Beta-BHC	< 0.04
3.	Delta-BHC	< 0.03
4.	Gamma-BHC	< 0.03
5.	Heptachlor	< 0.10
6.	Aldrin	< 0.08
7.	Heptachlor Epoxide	< 0.07
8.	Alpha Endosulfan	< 0.04
9.	Dieldrin	< 0.02
10.	4,4'-DDE	< 0.02
11.	Endrin	< 0.03
12.	Beta Endosulfan	< 0.04
13.	4,4'-DDD	< 2.02
14.	Endosulfan Sulfate	< 0.02
15.	4,4'-DDT	< 0.06
16.	Methoxychlor	< 0.02
17.	Endrin Ketone	< 2.02
18.	Chlordane	< 10.08
19.	Toxaphene	< 151.18

AR100086.

STOMER SAMPLE NO.: D09 EHRT SAMPLE NO.: 29510

20.	Aroclor-1016	<	25.20
21.	Aroclor-1221	<	25.20
22.	Aroclor-1232	<	25.20
23.	Aroclor-1242	<	25.20
24.	Aroclor-1248	<	25.20
25.	Aroclor-1254	<	25.20
26.	Aroclor-1260	<	25.20

AR100087

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Health Research & Testing, Inc.

Customer Name: ROY F. WESTON, INC. - MS. MARIAN MURPHY

Project No.: 12325 Method No.: EPA 8080

Customer Sample No.: D09 EHRT No.: 29510

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONC. (ug/kg)	MS CONC. (ug/kg)	MS% REC #	QC LIMITS REC.
gamma-BHC (Lindane)	5	0	35.50	71.0	46-127
Heptachlor	5	0	33.33	66.66	35-130
Aldrin	5	0	22.47	41.94	34-132
Dieldrin	5	0	32.26	64.52	31-134
Endrin	5	0	44.70	89.40	42-139
4,4'-DDT	5	0	26.01	52.0	23-134

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONC. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	5	37.09	74.18	4.5	50	46-127
Heptachlor	5	41.49	82.98	21.8	31	35-130
Aldrin	5	30.00	60.00	28.7	43	34-132
Dieldrin	5	34.16	68.30	5.7	38	31-134
Endrin	5	46.67	93.34	4.3	45	42-139
4,4'-DDT	5	15.94	31.89	47.9	50	23-134

Column to be used to flag recovery and RPD values with an asterick

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

AR100088

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.
PESTICIDES - PCB ANALYSIS

CUSTOMER NAME:	ROY F. WESTON, INC. - MS. MARIAN MURPHY		
SAMPLE SOURCE:	Windsor Manor Site (DRUM #136)		
WORK ORKER NO.:	N/A	EHRT PROJECT NO.:	12325
DATE EXTRACTED:	11-19-90	DATE ANALYZED:	11-20-90
SAMPLE TYPE:	Soil Sample	SAMPLE WEIGHT:	10.09
ANALYST:	M. Cooper/P. Ward	DILUTION FACTOR:	10.00
CUSTOMER SAMPLE NO.:	D12	EHRT SAMPLE NO.:	29513
LAB NOTEBOOK NO.:	158, Pg. 60	METHOD NO.:	EPA 8080

	COMPOUNDS	RESULT ug/kg
1.	Alpha-BHC	< 6.94
2.	Beta-BHC	< 3.96
3.	Delta-BHC	< 2.97
4.	Gamma-BHC	< 2.97
5.	Heptachlor	< 9.91
6.	Aldrin	< 7.93
7.	Heptachlor Epoxide	< 6.94
8.	Alpha Endosulfan	< 3.96
9.	Dieldrin	< 1.98
10.	4,4'-DDE	< 1.98
11.	Endrin	< 2.97
12.	Beta Endosulfan	< 3.96
13.	4,4'-DDD	< 198.22
14.	Endosulfan Sulfate	< 1.98
15.	4,4'-DDT	< 5.95
16.	Methoxychlor	< 1.98
17.	Endrin Ketone	< 198.22
18.	Chlordane	< 991.08
19.	Toxaphene	< 14866.20

AR100089

STOMER SAMPLE NO.: D12 EHRT SAMPLE NO.: 29513

20.	Aroclor-1016	< 2477.70
21.	Aroclor-1221	< 2477.70
22.	Aroclor-1232	< 2477.70
23.	Aroclor-1242	< 2477.70
24.	Aroclor-1248	< 2477.70
25.	Aroclor-1254	< 2477.70
26.	Aroclor-1260	< 2477.70

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W8A___ Case No.: _____ SAS No.: 12325_ SDG No.: 000000

SOW No.: _____

EPA Sample No.	Lab Sample ID.
__D09_____	29510_____
__D09___S_	29510_____
__D09___S_	29510_____
__D12_____	29513_____
__S01_____	29488_____
__S02_____	29489_____
__S03_____	29490_____
__S04_____	29491_____
__S05_____	29492_____
__S06_____	29493_____
__S07_____	29494_____
__S07___S_	29494_____
__S07___S_	29494_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

ROY_WESTON,_INC.-_WINDSOR_MANOR_SITE__DATE_ANALYZED_NOVEMBER_21,_1990_ ICP_G.STAKE_NB156_PG52_METHOD_6010/_FURNACE_P.BARNWELL_NB154_PG69_____ METHOD_AS7060_SE7740/_COLD_VAPOR_J.RADER_NB157_PG28_METHOD_7470_&_7471

Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: Donna Rich

Date: 12/5/90

AR100091

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

D09

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): SOIL_ Lab Sample ID: 29510____

Level (low/med): ____ Date Received: 11/13/90

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.35	U		P
7440-38-2	Arsenic	0.072	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.013	U		P
7440-43-9	Cadmium	0.058	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.45			P
7440-48-4	Cobalt				NR
7440-50-8	Copper	0.53	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	.144			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.02	U		CV
7440-02-0	Nickel	0.15	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.070	U		F
7440-22-4	Silver	0.062	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	319			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

YELLOWISH_LIQUID 3g used for digestion

AR100092

FORM I - IN 7/87

U.S. EPA - CLP

SA
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

D09 S

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): SOIL_ Level (low/med): ____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony	75-125	16.4815		0.3476	U	16.6	99.1		NR
Arsenic	75-125	3.5251		0.0716	U	3.3	106.0		P
Barium									F
Beryllium	75-125	1.5231		0.0130	U	1.7	91.6		NR
Cadmium	75-125	1.4067		0.0585	U	1.7	84.6		P
Calcium									P
Chromium	75-125	7.6920		0.4548		6.6	108.8		NR
Cobalt									P
Copper	75-125	9.5743		0.5296	B	8.3	108.8		NR
Iron									P
Lead		159.8936		144.1196		16.6	94.9		NR
Magnesium									P
Manganese									NR
Mercury	75-125	1.4000		0.0227	U	1.2	117.6		NR
Nickel	75-125	16.3618		0.1494	U	16.6	98.4		CV
Potassium									P
Selenium	75-125	3.2258		0.0696	U	3.3	97.0		NR
Silver	75-125	1.4034		0.0617	U	1.7	84.4		F
Sodium									P
Thallium	75-125	72.7636		3.1027	U	66.5	109.4		NR
Vanadium									P
Zinc		335.8829		318.7134		16.6	103.2		NR
Cyanide									P
									NR

Comments:
MATRIX_SPIKE

FORM V (PART 1) - IN

AR100093

U.S. EPA - CLP

SA
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

D09 S

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): SOIL_ Level (low/med): ____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	17.0353		0.3476	U	16.6	102.3		P
Arsenic	75-125	3.3644		0.0716	U	3.3	101.0		F
Barium									NR
Beryllium	75-125	1.5356		0.0130	U	1.7	92.2		P
Cadmium	75-125	1.2858		0.0585	U	1.7	77.2		P
Calcium									NR
Chromium	75-125	7.9047		0.4548		6.7	111.8		P
Cobalt									NR
Copper	75-125	9.6102		0.5296	B	8.3	109.0		P
Iron									NR
Lead		162.8914		144.1196		16.6	112.7		P
Magnesium									NR
Manganese									NR
Mercury	75-125	1.3833		0.0227	U	1.2	116.2		CV
Nickel	75-125	16.8321		0.1494	U	16.6	101.0		P
Potassium									NR
Selenium	75-125	3.0646		0.0696	U	3.3	92.0		F
Silver	75-125	1.4657		0.0617	U	1.7	88.0		P
Sodium									NR
Thallium	75-125	68.0213		3.1027	U	66.6	102.1		P
Vanadium									NR
Zinc		344.7702		318.7134		16.6	156.4		P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE On ring the sample value is more than 4x of the spike added.

AR100094

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

D12

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): SOIL_ Lab Sample ID: 29513____

Level (low/med): ____ Date Received: 11/13/90

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	0.96	U		NR
7440-38-2	Arsenic	0.20	U		P
7440-39-3	Barium				F
7440-41-7	Beryllium	0.036	U		NR
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium				P
7440-47-3	Chromium	16.9			NR
7440-48-4	Cobalt				P
7440-50-8	Copper	826			NR
7439-89-6	Iron				P
7439-92-1	Lead	696			NR
7439-95-4	Magnesium				P
7439-96-5	Manganese				NR
7439-97-6	Mercury	2.9			NR
7440-02-0	Nickel	0.41	U		CV
7440-09-7	Potassium				P
7782-49-2	Selenium	0.19	U		NR
7440-22-4	Silver	0.17	U		F
7440-23-5	Sodium				P
7440-28-0	Thallium	8.5	U		NR
7440-62-2	Vanadium				P
7440-66-6	Zinc	224			NR
	Cyanide				P
					NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

REDDISH_TAFFY-LIKE_____ 1g used for digestion

FORM I - IN 7/87

AR100095

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S01

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29488____

Level (low/med): ____ Date Received: 11/13/90

% Solids: ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	10.7	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.3	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	10.9	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	4.6	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	95.5	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	25.3			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

POST_DIGEST_SPIKE_(ARSENIC)_=_96%_RECOVERY

POST_DIGEST_SPIKE_(SELENIUM)_=_92%_RECOVERY

FORM I - IN

AR100096/87

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S02

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: _____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29489____

Level (low/med): _____ Date Received: 11/13/90

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	10.7	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.3	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	10.9	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	4.6	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	95.5	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	66.8			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

FORM I - IN

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S03

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: _____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29490____

Level (low/med): _____ Date Received: 11/13/90

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	10.7	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.3	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	10.9	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	4.6	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	95.5	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	47.0			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

FORM I - IN

AR100098

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S04

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29491____

Level (low/med): ____ Date Received: 11/13/90

% Solids: ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	10.7	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.3	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	10.9	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	4.6	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	95.5	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	86.6			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

FORM I - IN

AR100099

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S05

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29492____

Level (low/med): ____ Date Received: 11/13/90

% Solids: ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	10.7	U		P
7440-38-2	Arsenic	2.2	U		F
7440-39-3	Barium				NR
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.3	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	10.9	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	4.6	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.1	U		F
7440-22-4	Silver	1.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	95.5	U		P
7440-62-2	Vanadium				NR
7440-66-6	Zinc	122			P
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

FORM I - IN 7/87

AR100100

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S06

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29493____

Level (low/med): ____ Date Received: 11/13/90

% Solids: ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	10.7	U		NR
7440-38-2	Arsenic	2.2	U		P
7440-39-3	Barium				F
7440-41-7	Beryllium	0.40	U		NR
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				P
7440-47-3	Chromium	5.3	U		NR
7440-48-4	Cobalt				P
7440-50-8	Copper	5.0	U		NR
7439-89-6	Iron				P
7439-92-1	Lead	10.9	U		NR
7439-95-4	Magnesium				P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		NR
7440-02-0	Nickel	4.6	U		CV
7440-09-7	Potassium				P
7782-49-2	Selenium	2.1	U		NR
7440-22-4	Silver	1.9	U		F
7440-23-5	Sodium				P
7440-28-0	Thallium	35.5	U		NR
7440-62-2	Vanadium				P
7440-66-6	Zinc	119			NR
	Cyanide				P
					NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

FORM I - IN

AR100101

7/87

U.S. EPA - CLP

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S07

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Lab Sample ID: 29494____

Level (low/med): ____ Date Received: 11/13/90

% Solids: ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony	10.7	U		NR
7440-38-2	Arsenic	2.2	U		P
7440-39-3	Barium				F
7440-41-7	Beryllium	0.40	U		NR
7440-43-9	Cadmium	1.8	U		P
7440-70-2	Calcium				P
7440-47-3	Chromium	5.3	U		NR
7440-48-4	Cobalt				P
7440-50-8	Copper	5.0	U		NR
7439-89-6	Iron				P
7439-92-1	Lead	10.9	U		NR
7439-95-4	Magnesium				P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.1	U		NR
7440-02-0	Nickel	4.6	U		CV
7440-09-7	Potassium				P
7782-49-2	Selenium	2.1	U		NR
7440-22-4	Silver	1.9	U		F
7440-23-5	Sodium				P
7440-28-0	Thallium	95.5	U		NR
7440-62-2	Vanadium				P
7440-66-6	Zinc	11.2	B		NR
	Cyanide				P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: ___

Comments:

TCLP_EXTRACTION

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

S07 S

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: ____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Level (low/med): ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	551.0000		10.7000	U	500.0	110.2		P
Arsenic	75-125	104.0000		2.2050	U	100.0	104.0		F
Barium									NR
Beryllium	75-125	49.9000		0.4000	U	50.0	99.8		P
Cadmium	75-125	41.9000		1.8000	U	50.0	83.8		P
Calcium									NR
Chromium	75-125	223.1000		5.3000	U	200.0	111.6		P
Cobalt									NR
Copper	75-125	290.9000		5.0070	U	250.0	116.4		P
Iron									NR
Lead	75-125	592.5000		10.9000	U	500.0	118.5		P
Magnesium									NR
Manganese									NR
Mercury	75-125	5.5400		0.1000	U	5.0	110.8		CV
Nickel	75-125	552.9000		4.6000	U	500.0	110.6		P
Potassium									NR
Selenium	75-125	91.0000		2.1420	U	100.0	91.0		F
Silver	75-125	50.2000		1.9000	U	50.0	100.4		P
Sodium									NR
Thallium	75-125	2262.0000		95.5000	U	2000.0	113.1		P
Vanadium									NR
Zinc	75-125	458.0000		11.2000	B	500.0	89.4		P
Cyanide									NR

Comments:
MATRIX_SPIKE

FORM V (PART 1) - IN

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

S07 S

Lab Name: ENVIR._HEALTH_RESEARCH_TE Contract: ROYWESTON_

Lab Code: W88___ Case No.: _____ SAS No.: 12325_ SDG No.: 000000

Matrix (soil/water): WATER Level (low/med): ____

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	548.8000		10.7000	U	500.0	109.8		P
Arsenic	75-125	100.0000		2.2050	U	100.0	100.0		F
Barium									NR
Beryllium	75-125	49.7000		0.4000	U	50.0	99.4		P
Cadmium	75-125	41.3000		1.8000	U	50.0	82.6		P
Calcium									NR
Chromium	75-125	225.1000		5.3000	U	200.0	112.6		P
Cobalt									NR
Copper	75-125	290.3000		5.0070	U	250.0	116.1		P
Iron									NR
Lead	75-125	591.5000		10.9000	U	500.0	118.3		P
Magnesium									NR
Manganese									NR
Mercury	75-125	5.7900		0.1000	U	5.0	115.8		CV
Nickel	75-125	554.4000		4.6000	U	500.0	110.9		P
Potassium									NR
Selenium	75-125	93.0000		2.1420	U	100.0	93.0		F
Silver	75-125	51.4000		1.9000	U	50.0	102.8		P
Sodium									NR
Thallium	75-125	2401.0000		95.5000	U	2000.0	120.0		P
Vanadium									NR
Zinc	75-125	458.3000		11.2000	B	500.0	89.4		P
Cyanide									NR

Comments:
MATRIX_SPIKE_DUPLICATE

FORM V (PART 1) - IN

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC.

RESULT SHEET

CUSTOMER NAME: ROY F. WESTON - MS. MARIAN MURPHY

SAMPLE SOURCE: Windsor Manor Site

WORK ORDER NO.: N/A PROJECT NO.: 12325

ANALYSIS PERFORMED: Total Cyanide Analysis

ANALYSIS METHOD: EPA 9012 DATE ANALYZED: 11-26-90

ANALYST: K. Nusekabel LAB NOTEBOOK NO.: 146, Pg. 44

SAMPLE NO. EHRT NO.	CUSTOMER NO.	RESULTS (mg/kg)
29510	D09 (Drum #97)	BDL
29513	D12 (Drum #136)	3.30
Spike	D09 (Drum #97)	79.5%
Spike (Duplicate)	D09 (Drum #97)	72.6%

DETECTION LIMIT: Cyanide - < 0.25 mg/kg

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